ADDENDUM No.4

HERITAGE HIGH SCHOOL

SDE NO.:115-13-00-100

CITY OF LYNCHBURG BID NO.: 14-896
LYNCHBURG CITY SCHOOLS C.I.P. NO.: YS032
3020 WARDS FERRY ROAD
LYNCHBURG, VIRGINIA 24502

MOSELEYARCHITECTS
ARCHITECT/ENGINEER — RICHMOND, VIRGINIA

DOMINION SEVEN ARCHITECTS
ASSOCIATED ARCHITECT — LYNCHBURG, VIRGINIA

TIMMONS GROUP
CIVIL CONSULTANT — RICHMOND, VIRGINIA

FOODSERVICE CONSULTANTS STUDIO, INC.
FOODSERVICE — ASHLAND, VIRGINIA

MARCH 5, 2014

INFORMATION AVAILBLE TO BIDDERS

1. Information included in this section is provided as a courtesy to bidders and **shall not be considered part of the Contract Documents.**
2. Information Available to Bidders attached to this addendum is the following:
   1) OSHA lead-Based Paint Assessment report and Asbestos Pre-Demolition Building Inspection: 3001 Wards Ferry Road
3. The window to submit substitution requests was closed on February 27, 2014, fourteen (14) days prior to the receipt of bid per the Contract Documents. Moseley Architects has received numerous substitution requests for review. Approved substitutions and product approvals are listed in the Addendum below. Due to the volume of requests received, **Moseley Architects will not be able to notify those manufacturers who were not approved.**

ADDENDUM 4

Information from this point forward shall be considered part of the Contract Documents.

GENERAL:

All planholders are requested to attach this Addendum to the inside front cover of each Project Manual. Please inform all concerned that the Documents are modified by this Addendum.

The following modifications and clarifications are hereby made a part of the Contract Documents and supersede or otherwise modify the provisions of the published *Project Manual* and *Drawings*, dated February 5, 2014.

CHANGES TO THE PROJECT MANUAL:

TABLE OF CONTENTS

1. Page 1 under "INFORMATION AVAILABLE TO BIDDERS", ADD the following:
   "OSHA lead-Based Paint Assessment report and Asbestos Pre-Demolition Building Inspection: 3001 Wards Ferry Road"

PROCUREMENT AND CONTRACTING REQUIREMENTS

1. Page PM-77 ADD the following:

   "11.1.7 Builder's Risk. The Contractor shall provide and maintain in the names of the Owner and the Contractor builder's risk insurance in the "all-risk" form upon the entire structure or structures on which the Work of this Contract is to be done and upon all material in or adjacent thereto which is intended for use thereon to 100 percent of the insurable value thereof. If the insurance includes a deductible provision, the Contractor shall be liable for the full cost of such deductible whenever a claim arises. The insurance shall be payable to the Owner and Contractor as their respective interests may appear. The Owner, its officers, its employees and its agents shall be listed as additional insured in any policy of insurance issued. The Contractor shall furnish the Owner with a copy of this insurance policy upon demand."

SECTION 033000 – CAST-IN-PLACE CONCRETE:

1. From Addendum 3, DELETE item 1 listed under this section.
2. Page 6, DELETE paragraph 2.5.C and REPLACE with the following:

"C. Integral Color Concrete Pigment: ASTM C 979, synthetic mineral-oxide pigments or colored water-reducing admixtures; color stable, non-fading, containing no carbon black, and resistant to lime and other alkalis.

1. Provide one of the following:
   a. Bromanite Integral Color: Colors shall be selected from the Bromanite Coloration Systems Color Chart of sixty (60) standard colors.
   b. L.M. Scofield Integral Color SG: Colors shall be selected from thirty (30) standard colors.
   c. Soloman Colors, Inc. SGS Integral Color: Colors shall be selected from the SGS Integral Color Chart of forty-five (45) standard colors.
   d. Davis Colors: Colors shall be selected from Standard Price Group.
2. Colors: Up to five (5) integral colors may be selected by the Architect. Refer to Drawings A3.3.1 through A3.3.8 for floor pattern and color and finish locations.
3. Color additives shall contain pure, concentrated mineral pigments specially processed for mixing into concrete."

4. Page 3, DELETE paragraph 1.9.A.1 and REPLACE with the following:

" 1. Floor Flatness Number:
   a. Specified Overall Value = 50
   b. Minimum Overall Value = 35."

5. Page 3, DELETE paragraph 1.9.A.2 and REPLACE with the following:

" 1. Floor Levelness Number:
   a. Specified Overall Value = 30
   b. Minimum Overall Value = 25."

SECTION 096466 – WOOD ATHLETIC FLOORING:

1. Page 2, DELETE paragraph 1.5.B and REPLACE with "Source Limitations: Obtain vulcanized rubber track flooring (RSF) and wood athletic flooring (WAF), through a single source."
2. Page 3, paragraph 2.1.A., ADD Aacer Flooring, LLC "Aacer Channel" and Bi-Power Pads" to the list of approved manufacturers.

SECTION 096566 – RESILIENT ATHLETIC FLOORING:

1. Page 1, DELETE paragraph 1.6.A and REPLACE with "Source Limitations: Obtain vulcanized rubber track flooring (RSF) and wood athletic flooring (WAF), through a single source."
2. Page 2, paragraph 2.1.A., ADD Mondo America, Inc, "MondoTrack" to the list of approved manufacturers.
3. Page 3, ADD the following:

"2.2 RUBBER FLOOR TILE – TWO LAYER, VULCANIZED **(RFT)**

B. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, the following:
   1. Amarco Products. "Magnum" "Trident"
   2. Horner Flooring Company, Inc. "Super Tuff"
   3. Mondo America Inc. "Sports Impact"
   4. Roppe Corporation; "Tuflex Titan"

C. Description: Athletic flooring consisting of modular rubber tiles with smooth edges for adhered application.

D. Material: Rubber wear layer and rubber shock-absorbent layer, vulcanized together.

E. Traffic-Surface Texture: Nondirectional, stipple texture.

F. Size: Manufacturer's standard-size square tile.

G. Thickness: Minimum 8 mm.

H. Weight: Not less than 2.4lbs/sq.ft. per tile.

I. Color and Pattern: As selected by Architect from manufacturer's full range.

J. Border: Interlocking, beveled-edge tiles, of same material as floor tile; with bevels that transition from thickness of floor tile to surface below it; with straight outside edges; and for use where flooring corners and edges do not abut vertical surfaces.

1. Border Color and Pattern: As selected by Architect from manufacturer's full range to contrast with floor tile."

4. Page 3, RENUMBER 2.2 ACCESSORIES to 2.3 ACCESSORIES.

5. Page 4, ADD the following:

"3.5 FLOOR TILE INSTALLATION

A. Lay out tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.

1. Lay tiles square with room axis.

B. Discard broken, cracked, chipped, or deformed tiles.

C. Match tiles for color and pattern by selecting tiles from cartons in same sequence as manufactured and packaged if so numbered.

1. Lay tiles with grain direction alternating in adjacent tiles (basket-weave pattern).

D. Adhered Flooring: Adhere products to substrates using a full spread of adhesive applied to substrate to comply with adhesive and flooring manufacturers' written instructions, including those for trowel notching, adhesive mixing, and adhesive open and working times.

1. Provide completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections."

6. Page 4, RENUMBER 3.5 CLEANING AND PROTECTION to 3.6 CLEANING AND PROTECTION.

SECTION 123413 – ROLLER WINDOW SHADES

1. Page 2, paragraph 2.1.A, ADD the following:

"7. RollEase, Inc.; "Skyline http://www.rollease.com"

2. Page 3, paragraph 2.1.B.1, ADD the following:

"c. Alkenz: SunShadow Solar Screen Fabric"

SECTION 123216 – LAMINATE CLAD INSTITUTIONAL CASEWORK

1. Page 3, paragraph 2.1.A, ADD the following:

"8. Harwil Fixtures, Inc. http://harwilgroup.net"

SECTION 123553 – WOOD LABORATORY CASEWORK

1. Page 3, paragraph 2.1.A.1, ADD the following:

   "g. Harwil Fixtures, Inc. http://harwilgroup.net"

SECTION 22400 – PLUMBING FIXTURES

1. Page 28, paragraph 2.5-F-1, ADD the following:

   "2.35 Zurn P-8B (HOSE BIBB)

   A. Manufacturer & Model Number: Josam Hydrasan 71020 w/box.

   B. General: Cast bronze, wall hydrant with cast bronze box, satin finish face, hinged latching cover, control key,and integral vacuum breaker/backflow preventer. Pressure rating shall be 125 psig. Comply with ASME A112.21.3M, ASSE 1011, and ASSE 1019. Provide self-draining integral non-removable hose-connection, and wall clamp.

      1. Inlet: threaded or solder joint.
      2. Outlet: ASME B1.20.7, garden-hose threads.
      3. Operating Keys: One with each hydrant.

   C. Other Manufacturers:
      1. Smith
      2. Woodford
      3. Zurn."

SECTION 232113 – HYDRONIC PIPING

1. Page 5, paragraph 2.5-F-1, ADD the following:

   "g. Nexus Valve."

SECTION 235216 – CONDENSING BOILERS

1. Page 2, paragraph 2.1.A, ADD the following:

   "4. Lochinvar, LLC."

SECTION 272000 – COMMUNICATION DATA NETWORK

1. Page 4, paragraph 1.4, ADD:

   "D. General Cable/Panduit is an approved manufacturer. The warranty provided shall be the 'PanGen' warranty. Products provided by General Cable/Panduit shall meet all of the requirements of the drawings and specifications and shall be subject to submittal review. "

SECTION 31 2000 – EARTHWORK

1. Page 4, paragraph 2.1 ADD the following:

   "E. Clean (free from pipes, steel reinforcing, wood, insulation etc.) brick, block and concrete pavement, crushed to a maximum size of 4" is considered suitable soils when mixed with satisfactory soils material and used in fills greater than 5 feet. Place no higher than 2 feet below the proposed design subgrade elevation. Install a separation fabric immediately on the surface of the rubble fill, followed by the

placement of suitable compacted structural fill as described in the geotechnical engineering report. Placement of the rubble fill shall be monitored on a full-time basis by the third party testing firm."

CHANGES TO THE DRAWINGS:

DRAWING A1.1.1 – COURTYARD PLAN AND DETAILS:

1. In the plan northeast corner of the courtyard between column lines BA/BC and A6/B1, provide and install a 12" x 36" x 48" composite time capsule assembly by Heritage Time Capsules, Model #CR4001, or equal. Assembly shall be a stand-alone unit in which a vault is not required. Provide one 8" x 12" stone marker with the date of installation.

DRAWING A3.0.1 – FINISH SCHEDULE:

1. For Room C05 – Weight/Fitness CHANGE the floor finish to "RFT".

DRAWING P0.2 – SCHEDULES:

1. DELETE and REPLACE with attached Drawing P.02 - Schedules.

DRAWING P2.1.1 – FIRST FLOOR PLAN – PART A:

1. REVISE per attached Sketch ADD4-P2.1.1-1.

DRAWING P2.1.2 – FIRST FLOOR PLAN – PART B:

1. REVISE per attached Sketch ADD4-P2.1.2-1.

DRAWING P2.1.5 – FIRST FLOOR PLAN – PART E:

1. REVISE per attached Sketch ADD4-P2.1.5-1.

DRAWING P2.1.7 – FIRST FLOOR PLAN – PART G:

2. REVISE per attached Sketch ADD4-P2.1.7-1.

END OF ADDENDUM NO. 4.

OSHA Lead-Based Paint Assessment
And
Asbestos Pre-Demolition Building Inspection

3001 Wards Ferry Road
Lynchburg, Virginia

Submitted to:
Mr. Richard Thompson
Construction Project Manager
Lynchburg City Schools
3525 John Capron Road
Lynchburg, Virginia 24501
H&P Project Number 20140072

HURT & PROFFITT
INCORPORATED

ENGINEERING · SURVEYING · SITE PLANNING · ENVIRONMENTAL
GEOTECHNICAL · CONSTRUCTION TESTING & INSPECTION

2524 Langhorne Road · Lynchburg, VA 24501
434-847-7796 · 800-242-4906 · Fax: 434-847-0047
www.HandP.com

12 February 2014

HURT & PROFFITT INCORPORATED

Mr. Rick Thompson
Construction Project Manager
Lynchburg City Schools
3525 John Capron Road
Lynchburg, Virginia 24501

1973 - 2013 40 YEARS OF EXCELLENCE HURT & PROFFITT

Re: Lead-based Paint Assessment for Demolition Planning
3001 Wards Ferry Rd. Lynchburg VA 24502
H&P Project No. 20140072

Dear Mr.

Hurt & Proffitt, Inc. (H&P) is pleased to provide this document and enclosures as the final report for the lead-based paint assessment performed throughout the former Dinner Bell Meats located in Lynchburg, Virginia.

Executive Summary

Hurt & Proffitt, Inc representative, Perry Pence, assisted by Ms. Danielle Montalbano conducted an assessment for Lead-based paint (LBP) on the primary coatings throughout the building that may be impacted by future demolition. A copy of Mr. Pence's VA DPOR license is enclosed as part of this report.

The assessment was performed on February 5th 2014. Subsequent analyses of the suspect LBP-chip samples collected, combined with the observations of the inspectors have indicated that:

- The burgundy oil tank in the back of the residence came back as a lead containing paint.

Introduction and Purpose

Prior to alterations in buildings constructed prior to 1978, inspection for Lead-based paint is required for compliance with US OSHA regulation 29 CFR 1926.62, Lead in Construction; and 29 CFR 1910.1200, Hazard Communication.

Site Description

The dwelling is a single family home with an unfinished basement located at 3001 Wards Ferry Road Lynchburg, Virginia.

Preliminary Site Assessment

On 5 February 2014, H&P personnel entered the site property to perform an initial walk-through to gain familiarity with the structure and the materials to be impacted by the future demolition. A more detailed examination followed to identify suspect LBP-coated surfaces on structural members to be impacted by the planned demolition. Upon completion of these tasks, the following building surfaces were identified for further investigation for LBP by the collection of paint-chip samples: walls, doors, window sills, various aspects of the front porch, exterior walls, and an oil tank in the rear of the house.

2524 LANGHORNE ROAD
LYNCHBURG, VA 24501
800-242-4906 TOLL FREE
434-847-7796 MAIN
434-847-0047 FAX
www.HandP.com

Sampling and Analysis for LBP

Evaluation of coated surfaces was performed by means of collecting paint chip samples from building components identified during the preliminary site assessment. The paint chip samples were collected using a manual paint scraper. The removed paint chips were collected in a piece of clean construction paper for transfer into plastic centrifuge tubes. Each container was sealed with a screw-on cap and labeled with a unique sample number. Pertinent information for each sample including date of collection, location, color and condition of the surface coatings were recorded on a sampling log form. After sample collection, each sample site was cleaned of extraneous debris. Locations where paint-chip samples were collected were noted.

The paint chip samples collected during the assessment were logged onto chain-of custody forms, packaged with custody seals, and delivered by Federal Express to the analytical laboratory, SanAir Technologies Laboratory Inc. of Powhatan, VA. SanAir is licensed by the Commonwealth of Virginia for Lead analysis. SanAir analyzed the paint chip samples for Lead content following EPA's Method SW 846/3051A/6010B (preparation by microwave-assisted acid digestion followed by analysis via inductively coupled plasma). Analytical results were reported as parts per million (ppm, ug/g) and converted to percent lead by weight. A copy of the analytical laboratory report is enclosed for your review.

Table I on the following page presents analytical results and details about the paint chip samples collected during the assessment. The table further details the locations where paint chip samples were collected.

Table I: Suspect LBP Paint Chip Samples Collected

Sample Number	Building Component / Room	Color	Substrate	Condition	Lead Content % weight
14003039-001	LIVINGROOM WINDOW SILL	WHITE	WOOD	NA	<0.0155%
14003039-003	KITCHEN WALLS	WHITE	PLASTER	NA	<0.01%
14003039-004	BATHROOM WALLS	BLUE	DRYWALL	NA	<0.0086%
14003039-005	FRONT PORCH	BURGUNDY	WOOD	NA	0.0115%
14003039-006	PORCH RAILING	RED/WHITE	WOOD	NA	0.0993%
14003039-007	WINDOW CASING	YELLOW	WOOD	NA	<0.0093%
14003039-008	EXTERIOR WALLS	WHITE	CONCRETE	NA	0.0829%
14003039-009	OIL TANK BACK OF RESIDENCE	BURGUNDY	METAL	FAIR	0.3714%

NA= Not Assessed or Not Applicable, Values in ***BOLD ITALICS*** exceed the regulation-defined value for lead-based paint.

Regulatory Standards for LBP

The U.S. Environmental Protection Agency (EPA) in regulation 40 CFR Part 745 authorized by the Toxic Substances Control Act (TSCA); and the U.S. Department of Housing and Urban Development (US HUD) in *Guidelines for the Control of Lead-based Paint Hazards in Housing*; define Lead-based Paint (LBP) as any surface coating containing an amount of Lead equal to or greater than one-half (0.5%) percent by weight of the entire coating material. This is the applicable standard for the regulation of paint in housing and child-occupied facilities; and this standard is a generally accepted definition of Lead-based paint. Compliance with provisions of US EPA and US HUD regulations and standards pertaining to housing are applicable when commercial buildings are converted to residential use.

The U.S. Consumer and Product Safety Commission has published a standard that requires that surface coatings intended for use in occupied building interiors contain no greater than 0.06% Lead content by weight. Surface coatings that meet this requirement are referred to as CPSC Compliant in this report. Surface coatings that contain less than 0.5% and more than 0.06% Lead by weight are referred to as Lead-containing Paint (LCP) in this report.

US Occupational Health and Safety Administration (OSHA) regulation 29 CFR 1926.62 regulates Lead exposures at any level to the construction workforce where Lead-based Paint and Lead-containing Paint will be disturbed in construction, demolition and renovation operations. OSHA regulation 29CFR1910.1200, Hazard Communication, requires that employers inform their employees about chemical hazards (including Lead) that are present in the workplace.

LBP Investigation Findings

Analysis of the paint-chip samples collected found lead-containing paint on the oil tank that is in the rear of the dwelling.

Recommendations for LBP Hazard Management

Building demolition where LBP is present must comply with the OSHA regulation 29 CFR 1926.62, Lead in Construction; and US EPA waste disposal regulations found in 40 CFR Part 261. OSHA regulations are designed to limit exposure of the construction workforce to lead, which is a well-documented toxic element. The primary route of exposure OSHA regulations are concerned with is the inhalation of lead-containing dust resulting from deteriorated LBP contamination of the floor-dust of the building; and lead-dust generated by demolition operations within the building. These hazards are assessed by measuring the Lead concentration in air when demolition operations are initiated; a procedure called a *negative exposure assessment*. The OSHA defined Permissible Exposure Limit (PEL) for lead is 50 micro-grams (ug) of lead per cubic-meter (m^3) air.

Analysis of paint-chip samples collected across the site has demonstrated that there is a small quantity of lead-containing paint on the oil tank in the rear of the dwelling.

Construction contractors employed to remove the oil tank will have to comply with the OSHA Lead in Construction regulation.

It would be prudent for the Building Owner to implement and document the following in response to the likely presence of Lead-dust hazards and documented Lead-based paint hazards in association with the removal of the oil tank:

- Conduct a negative exposure assessment using trained workers wearing respiratory protection and protective clothing in compliance with 29CFR1926.62.
- Notify any person employed by the Owner to work on the oil tank about the potential Lead-dust hazard and the lead-containing paint hazards. Instruct such worker in the importance of the use of proper personal hygiene practices and work practices (use of wet methods and HEPA vacuums) by providing them with the EPA-approved pamphlet *Renovate Right: Important Lead Hazard Information for Families, Child Care Providers and Schools.*
- The US OSHA regulation 29 CFR 1910.1200-Hazard Communication, requires that employers must inform employees about chemical hazards in the workplace. Construction contractors employed to demolish the building components within the site must be furnished a copy of this report.

Waste disposal for concentrated lead-containing paint debris (paint chips and scrapings, HEPA vacuum contents, protective suits, drop cloths, etc.) and for building components coated with LBP is regulated under 40 CFR Part 261 and/or 29CFR1910.1200. If the components and debris are to be disposed in a landfill as demolition debris, the components and debris must be contained and tested to determine if it is hazardous waste. The waste is tested by means of the Toxicity Characteristic Leaching Procedure (TCLP) for Lead. A representative sample of the demolition waste debris is collected by a competent person and submitted to a certified laboratory for the

TCLP-Lead analysis. Debris leaching five parts-per-million (5 ppm) or more of Lead is hazardous and must be disposed of in specially permitted facilities. If the components are to be salvaged, restored or reused; whoever receives and works on these components must be notified in writing about the presence of LBP.

Limitations and Additional Testing for LBP

This LBP investigation is specifically designed to provide a general description of lead-based paint conditions associated with the entire building as discussed within this report. The methodology, results and conclusions are not applicable to any other facility and owner(s). The LBP investigation was performed utilizing procedures and sampling protocols found in The U.S. Environmental Protection Agency (EPA) regulation 40 CFR Part 745 and the U.S. Department of Housing and Urban Development (USHUD) *Guidelines for the Control of Lead-based Paint Hazards in Housing* for the conduct of LBP inspections. This investigation is not designed to be a formal LBP risk assessment as defined in these regulations.

This investigation was performed in an unoccupied building and targeted the primary components and surfaces that were reasonably accessible.

Enclosures

- Copy of the analytical laboratory report,
- Copy of Lead-Based Paint Risk Assessor License.

Thank you for allowing H&P to provide you with our Lead-based paint assessment services. Should you have any questions please call me at (434) 841-3893. It was a pleasure working with you on this project and I hope we can be of service to you in the future.

Sincerely,
Hurt & Proffitt, Inc

W. Chris Nixon, CRMI
Director of Environmental Services

Cc: Project File

SanAir Technologies Laboratory

Analysis Report

prepared for

Hurt & Proffitt, Inc.

Report Date: 2/11/2014
Project Name: 3001 Wards Ferry Rd
Project #: 20140072
SanAir ID#: 14003039

NVLAP LAB CODE 200870-0

AIHA LAP, LLC ACCREDITED LABORATORY
ENVIRONMENTAL LEAD
ENVIRONMENTAL MICROBIOLOGY
ISO/IEC 17025:2005
LAB # 162952

Virginia SBE
Certification # 652931

Texas Licensed Mold Analysis Laboratory
License # LAB0166

SanAir Technologies Laboratory

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Hurt & Proffitt, Inc.
2524 Langhorne Road
Lynchburg, VA 24501

February 11, 2014

SanAir ID # 14003039
Project Name: 3001 Wards Ferry Rd
Project Number: 20140072

Dear W. Chris Nixon,

We at SanAir would like to thank you for the work you recently submitted. The 9 sample(s) were received on Friday, February 07, 2014 via FedEx. The final report(s) is enclosed for the following sample(s): L-001, L-003, L-004, L-005, L-006, L-007, L-008, L-009. The following sample(s) were unusable and were not tested: L-002.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Stephanie Hobaugh
Lead Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
8 sample(s) in Good condition 1 sample(s) in QNS condition

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14003039

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20140072
P.O. Number:
Project Name: 3001 Wards Ferry Rd

Collected Date: 2/5/2014
Received Date: 2/7/2014 10:20:00 AM
Report Date: 2/11/2014 11:36:46 AM
Analyst: Hobaugh, Stephanie

Lead Paint Analysis

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-001	L-001 / Living Rm Window Sill - White	3	0.06465	154.7	<154.7 µg/g (ppm)	<0.0155 % By Weight

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-003	L-003 / Kitchen Walls - White	4	0.09959	100.4	<100.4 µg/g (ppm)	<0.01 % By Weight

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-004	L-004 / Bathroom Walls - Blue	2	0.11687	85.6	<85.6 µg/g (ppm)	<0.0086 % By Weight

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-005	L-005 / Front Porch Paint - Burgundy	12	0.10319	96.9	115.1 µg/g (ppm)	0.0115 % By Weight

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-006	L-006 / Porch Railing Paint - Red/ White	140	0.14068	71.1	992.8 µg/g (ppm)	0.0993 % By Weight

Certification

Signature: Stephanie A. Hobaugh
Date: 2/11/2014

Reviewed:
Date: 2/11/2014

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14003039

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20140072
P.O. Number:
Project Name: 3001 Wards Ferry Rd

Collected Date: 2/5/2014
Received Date: 2/7/2014 10:20:00 AM
Report Date: 2/11/2014 11:36:46 AM
Analyst: Hobaugh, Stephanie

Paint Analysis

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-007	L-007 / Exterior Window Casing - Yellow	7	0.10799	92.6	<92.6 µg/g (ppm)	<0.0093 % By Weight

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-008	L-008 / Exterior White Paint - Walls Front	106	0.12752	78.4	829.1 µg/g (ppm)	0.0829 % By Weight

Test Method: SW846/3050B/7000B
NOTE: µg/g=ppm

Sample	Description	µg Pb in Sample	Sample Size (grams)	Calculated RL	Sample Result	Sample Result
14003039-009	L-009 / Burgundy Oil Tank - Back Residence	388	0.1045	95.7	3713.6 µg/g (ppm)	0.3714 % By Weight

Method Reporting Limit <10 ug/0.1 g paint
SanAir Technologies Laboratory, Inc participates in the AIHA ELPAT for environmental Lead.
AIHA Lab Id: 162952

Certification

Signature: Stephanie A. Hobaugh Reviewed:
Date: 2/11/2014 Date: 2/11/2014

Disclaimer

- Results relate only to the items tested
- Results are not corrected for blanks
- All quality control results are acceptable unless otherwise noted
- SanAir Technologies Laboratory, Inc is not responsible for sample collection or interpretation made by others
- This report does not constitute endorsement by AIHA/NVLAP and/or any other U.S. governmental Agencies; and may not be certified by every local, state or federal regulatory agencies

Lead Exposure Limits

Air

1.5 µg/m^3	EPA National Ambient Air Quality Standard (Quality Time – Weight Average)
30 µg/m^3	OSHA Action Level (8-hour time weighted average)
50 µg/m^3	OSHA Permissible Exposure Limit (General Industry)
50 µg/m^3	OSHA Permissible Exposure Limit (Construction)

Dust

40 µg/ft^2	HUD Clearance Level for Floors
250 µg/ft^2	HUD Clearance Level for Interior Window Sills
400 µg/ft^2	HUD Clearance Level for Window Troughs

Water

15 ppb (µg/liter)	EPA Maximum Containment Level

Paint

0.5% by weight	HUD definition of lead based paint
1.0 mg/cm^2	
5000 ppm	

Soil

400 ppm	HUD-Play areas and high-contact areas for children

Hazardous Waste

5 ppm	Analyzed as “leachable” using Toxicity Characteristic Leachate Procedure (TCLP)

Chelsea A. Rawes

From: Chris Nixon [wcn@handp.com]
Sent: Friday, February 07, 2014 2:47 PM
To: Chelsea A. Rawes
Subject: RE:

3 day for % by weight please.

Thanks,

W. Chris Nixon
Director of Environmental Services

HURT & PROFFITT
CIVIL ENGINEERING & SURVEYING SINCE 1973

2524 Langhorne Road, Lynchburg, VA 24501
Phone: 434-522-7691 - Fax: 434-847-0047 - Cell: 434-841-3893
Email: wcn@handp.com - Web: www.handp.com

From: Chelsea A. Rawes [mailto:crawes@sanair.com]
Sent: Friday, February 07, 2014 2:45 PM
To: Chris Nixon
Subject:

Chris,

Good afternoon. We received three jobs from you today for paint with a three day TAT. However you forgot to mark the analysis type. Did you want these to be run for total concentration of lead?

Thanks,
Chelsea Rawes
Receptionist
SanAir Technologies Laboratory, Inc.
804.897.1177
804.897.0070 *Fax*

FEB 07 2014 10:20AM

Form 70, Revision 3, 2/6/2012

SanAir Technologies Laboratory
1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

Metals & Lead Chain of Custody

SanAir ID Number: 14003039

Company: Hurt & Proffitt, Inc	Project #: 20140272	Phone #: 4348477796
Address: 2524 Langhorne Road	Project Name: 2001 Wards Ferry Rd	Phone #: 4348413893
City, St., Zip: Lynchburg, Virginia 24501	Date Collected: 2/5/14	Fax #: 4348470047
Samples Collected By: W. Chris Nixon	P.O. Number:	Email: wcn@handp.com

Matrix

☐Air	☐Aqueous	☐Bulk
☒Paint	☐Sludge	☐Soil
☐Dust	☐Wipe	☐Water, DW
☐Wastewater		
☐Other:		

Metals Analysis Types

Total Concentration of Lead ☐	☐ ICP list metals:
TCLP Lead ☐	
GFAA ☐	
TCLP / RCRA Metals ☐	☐ Other:
TCLP/ Full (w/ organics) ☐	

*Turn Around Times				
	Same Day ☐	1 Day ☐	2 days ☐	3 Days ☒
	☐ Standard (5 day)	☐ Full TCLP (10d)		

Sample #	Sample Identification/Location	Flow Rate	Start Time	Stop Time	Volume (L) or Area (Sq ft)
L-001	Living Rm Windowsill - White				
L-002	Living Rm Baseboard - White				
L-003	Kitchen Walls - White				
L-004	Bathroom Walls - Blue				
L-005	Front Porch Paint - Burgundy				
L-006	Porch Railing Paint - Red/White				
L-007	Exterior Window Casing - Yellow				
L-008	Exterior White Paint - Walls Front				
L-009	Burgundy Oil Tank - Back Residence				

Special Instructions

Relinquished by	Date	Time	Received by	Date	Time
W. Chris Nixon		To FedEx	MC	FEB 07 2014	10:20 AM
	2/6/14				

Unless scheduled, the turnaround time for all samples received after 5 pm Friday will begin at 8 am Monday morning.
Weekend or Holiday work must be scheduled ahead of time and is charged for rush turnaround time.
Work with standard turnaround time sent Priority Overnight and Billed To Recipient will be charged a $10 shipping fee.

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
09-30-2014

NUMBER
3356 000940

VIRGINIA LEAD LICENSE
LEAD RISK ASSESSOR
LICENSE

WALTER CHRISTOPHER NIXON
175 SAGE LANE

MADISON HEIGHTS, VA 24572

Gordon N. Dixon, Director

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(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

February 13, 2014

HURT & PROFFITT INCORPORATED

Mr. Richard Thompson
Construction Project Manager
Lynchburg City Schools
3525 John Capron Road
Lynchburg, Virginia 24501

RE: Comprehensive Hazardous Building Materials Survey(s)
3001 Wards Ferry Road–Part of Heritage High School-Pre-Demolition Assessments
H&P Project No.: 20140072

Dear Mr. Thompson:

This letter and attachments represent Hurt & Proffitt's (H&P) report for the above-referenced project as requested to obtain the proper permits for a planned demolition.

Introduction

H&P was retained to conduct a comprehensive pre-demolition asbestos inspection of the site building known as 3001 Wards Ferry Road Lynchburg, Virginia. The building is currently unoccupied.

The inspection was performed in compliance with Local, State and Federal regulations as required by the National Emission Standards for Hazardous Air Pollutants (NESHAPs). General sampling protocol was in accordance with both NESHAPs and the US EPA-Asbestos Hazard Emergency Response Act (AHERA) regulations and the State of Virginia.

The asbestos building inspection was performed on February 5th, 2014 by H&P representatives, Brock Jones who was assisted by Ms. Danielle Montalbano. Mr. Jones' Virginia Asbestos Inspector License is attached for your records within Attachment A.

Asbestos Survey and Laboratory Procedures

Physical Inspection and sample collection was performed throughout each floor of the building, including interior and exterior building components, ie: siding, roofing, windows, etc. In order to determine the extent and locations of asbestos-containing materials and potential degree of abatement activities to take place throughout each floor, all areas of the buildings were inspected for the presence of suspect asbestos-containing building materials (ACBMs).

Suspect bulk samples were collected and logged on chain-of-custody forms as representative of suspect homogenous materials (based on material type, color, texture, etc), from the functional spaces as they were determined by visual observations in the field.

The suspect asbestos samples were submitted for analysis by EPA Method No. 600/R-93/116 and 600/M4-82-020 (polarized light microscopy (PLM)). All samples were analyzed by SanAir Technologies Laboratory of Powhatan, Virginia, a NVLAP accredited laboratory licensed to perform asbestos bulk analysis within the State of Virginia.

The main dwelling is a single story 672 square foot cement block frame home with 2 bedrooms and 1 full bathroom.

The following materials were noted to be asbestos-containing within the main dwelling:

- **KITCHEN FLOOR SHEETING WITH MASTIC**

2524 LANGHORNE ROAD
LYNCHBURG, VA 24501
800-242-4906 TOLL FREE
434-847-7796 MAIN
434-847-0047 FAX
www.HandP.com

The following Table I illustrates the sample identification, location and analytical results as received from the laboratory. The laboratory results and sample chain-of-custody are included in Attachment B for your review.

TABLE I

Sample No.	Material Description/ Location	Estimated Quantity	Lab Results (% Asbestos)	Condition/ Friable Y/N	Estimated Abatement Cost
FLVCT-001	**KITCHEN FLOOR SHEETING** **MASTIC**	**200 +/- SQ.FT.**	**20% CHRYSOTILE** **3% CHRYSOTILE**	**GOOD / N**	**$2,500.00**
INTENTIONALLY LEFT BLANK					
FLVCT-002	GREY 12X12 KITCHEN FLOOR TILE	NA	NONE DETECTED	NA	NA
CLDW-003 A,B,C	CEILING DRYWALL WITH SKIM COAT	NA	NONE DETECTED	NA	NA
WLDW-004 A,B,C	WALL DRYWALL	NA	NONE DETECTED	NA	NA
HTSHIELD-005	OVERHEAD LIGHTING HEAT SHIELD, KITCHEN	NA	NONE DETECTED	NA	NA
FLVCT-006	BATHROOM TILE 12X12	NA	NONE DETECTED	NA	NA
CPTMASTIC -007	YELLOW CARPET MASTIC	NA	NONE DETECTED	NA	NA
INTWGLZ-008	INTERIOR WINDOW GLAZE, BASEMENT	NA	NONE DETECTED	NA	NA
EXTPLASTER-009	WHITE EXTERIOR PLASTER SKIM COAT	NA	NONE DETECTED	NA	NA
WLPL-010	WALL SKIM COAT/PLASTER ON STAIRWELL	NA	NONE DETECTED	NA	NA
RFSHNGL-011	ROOF SINGLE WITH UNDERLAYMENT	NA	NONE DETECTED	NA	NA

Sample No.	Material Description/ Location	Estimated Quantity	Lab Results (% Asbestos)	Condition/ Friable Y/N	Estimated Abatement Cost
CHFLSH-012	CHIMNEY FLASHING SEALANT	NA	NONE DETECTED	NA	NA
ELWCV-013	ELECTRIC WIRE COVER	NA	NONE DETECTED	NA	NA

NA=Not Addressed, N/A Not Applicable,
Drawing 1 is representative of POSITIVE materials found within each level inspected.

Drawing No. 1- Main Floor: Asbestos-containing floor sheeting is noted in the kitchen.

Recommendations and Discussion

In order to obtain a demolition permit, this report must accompany the application to the county, town and/or city for which the work is to take place. It is the responsibility of the contractor performing the abatement and/or building demolition activities that the proper permits are obtained and notifications for each type of activity be performed as required by state and federal guidelines.

Additional ACM/PACM may exist (undetected and/or inaccessible) in other portions the building. If additional suspect materials are found during either the abatement activities or demolition activities, all work on the site must stop and the newly discovered materials sampled by a Virginia licensed asbestos building inspector and evaluated for asbestos content.

Our recommendations are based on the guidelines presented by the EPA, State of Virginia and OSHA. Any conditions discovered which deviate from the data contained in this report should be presented to us for our evaluation.

Qualifications of Asbestos Survey

This report summarizes our evaluation of the conditions associated with the project site as described within. The findings prepared by H&P are based upon our observations in the field, within the laboratory and the analytical analysis of the samples collected at the time of the field inspection.

Closing

Thank you for allowing Hurt & Proffitt to provide you with our asbestos pre-demolition inspection services. Should you have any questions please call me at (434) 847-7796 ext 691. It was a pleasure working with you on this project and I hope we can be of service to you in the future.

Sincerely,
HURT & PROFFITT, INC

W. Chris Nixon
Director of Environmental Services

Attachment A: Asbestos Inspector Licenses
Attachment B: Laboratory Reports and Sample Chain-of-Custody
Attachment C: Drawing 1 Asbestos Location Drawings

Attachment A

Virginia Asbestos Building Inspector License

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
05-31-2014

NUMBER
3303 002618

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

BROCK DAVID JONES
2209 BROWNS GAP TURNPIKE

CHARLOTTESVILLE, VA 22901

Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
07-31-2013

NUMBER
3303 003214

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INSPECTOR LICENSE

WALTER CHRISTOPHER NIXON
175 SAGE LN

MADISON HEIGHTS, VA 24572

Gordon N. Dixon, Director

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Attachment B

Laboratory Reports and Sample Chain-of-Custody Forms

SanAir Technologies Laboratory

Analysis Report

prepared for

Hurt & Proffitt, Inc.

Report Date: 2/12/2014
Project Name: HHS ACM Survey
Project #: 20140072
SanAir ID#: 14003051

NVLAP LAB CODE 200870-0

Virginia SBE
Certification # 652931

Texas Licensed Mold Analysis Laboratory
License # LAB0166

SanAir Technologies Laboratory

804.897.1177 www.sanair.com

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

Hurt & Proffitt, Inc.
2524 Langhorne Road
Lynchburg, VA 24501

February 12, 2014

SanAir ID # 14003051
Project Name: HHS ACM Survey
Project Number: 20140072

Dear BDJ,

We at SanAir would like to thank you for the work you recently submitted. The 17 sample(s) were received on Friday, February 07, 2014 via FedEx. The final report(s) is enclosed for the following sample(s): FLVCT-001, FLVCT-002, CLDW-003A, CLDW-003B, CLDW-003C, WLDW-004A, WLDW-004B, WLDW-004C, HTSHIELD-005, FLVCT-006, CPTMASTIC-007, INTWGLZ-008, EXTPLASTR-009, WLPL-010, RFSHNGL-011, CHFLSH-012, ELMCV-013.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:
- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:
16 sample(s) in Good condition 1 sample(s) in Layer Missing condition

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14003051

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20140072
P.O. Number: 20140072/3001 WFR
Project Name: HHS ACM Survey

Collected Date: 2/5/2014
Received Date: 2/7/2014 10:20:00 AM
Report Date: 2/12/2014 2:27:14 PM
Analyst: Sobrino, Sandra

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
FLVCT-001 / 14003051-001 Kitchen Floor Sheathing, Flooring	Tan Non-Fibrous Homogeneous		80% Other	20% Chrysotile
FLVCT-001 / 14003051-001 Kitchen Floor Sheathing, Mastic	Yellow Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
FLVCT-002 / 14003051-002 Kitchen Floor Tile 12x12	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CLDW-003A / 14003051-003 Skim Coat A-Living Room, B-Kitchen, C-B	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CLDW-003B / 14003051-004 A-Living Room, B-Kitchen, Drywall	Grey Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
CLDW-003B / 14003051-004 A-Living Room, B-Kitchen, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CLDW-003C / 14003051-005 A-Living Room, B-Kitchen, Drywall	Grey Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
CLDW-003C / 14003051-005 A-Living Room, B-Kitchen, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Sandra Sobrino Reviewed:

Date: 2/12/2014 Date: 2/12/2014

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14003051

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20140072
P.O. Number: 20140072/3001 WFR
Project Name: HHS ACM Survey

Collected Date: 2/5/2014
Received Date: 2/7/2014 10:20:00 AM
Report Date: 2/12/2014 2:27:14 PM
Analyst: Sobrino, Sandra

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLDW-004A / 14003051-006 Wall Drywall A-Kitchen, B-Bathroom, C-Bedroom #2	Grey Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLDW-004B / 14003051-007 Wall Drywall A-Kitchen, B-Bathroom, C-Bedroom #2	Grey Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLDW-004C / 14003051-008 A-Kitchen, B-Bathroom, C-Bedroom #2, Drywall	Grey Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected
WLDW-004C / 14003051-008 A-Kitchen, B-Bathroom, C-Bedroom #2, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
HTSHIELD-005 / 14003051-009 Overhead Lighting Heat Shield, Kitchen	Pink Fibrous Homogeneous	85% Glass	15% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
FLVCT-006 / 14003051-010 Bathroom Tile 12x12	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CPTMASTIC-007 / 14003051-011 Mastic At Hallway In Front Of Bathroom	Yellow Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Signature: Sandra Sobrino
Date: 2/12/2014

Reviewed:
Date: 2/12/2014

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: http://www.sanair.com E-mail: iaq@sanair.com

SanAir ID Number

14003051

FINAL REPORT

Name: Hurt & Proffitt, Inc.
Address: 2524 Langhorne Road
Lynchburg, VA 24501

Project Number: 20140072
P.O. Number: 20140072/3001 WFR
Project Name: HHS ACM Survey

Collected Date: 2/5/2014
Received Date: 2/7/2014 10:20:00 AM
Report Date: 2/12/2014 2:27:14 PM
Analyst: Sobrino, Sandra

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
INTWGLZ-008 / 14003051-012 Interior Window Glaze Basement Window	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
EXTPLASTR-009 / 14003051-013 Exterior Plaster Skim Coat	White Non-Fibrous Heterogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
WLPL-010 / 14003051-014 Stairwell Walls To Basement, Plaster	Grey Non-Fibrous Homogeneous		100% Other	None Detected
WLPL-010 / 14003051-014 Stairwell Walls To Basement, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
RFSHNGL-011 / 14003051-015 Roof Shingle With Underlayment, Shingle	Black Non-Fibrous Heterogeneous	8% Glass	92% Other	None Detected
RFSHNGL-011 / 14003051-015 Roof Shingle With Underlayment, Underlayment - Felt	Black Fibrous Homogeneous	85% Cellulose	15% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
CHFLSH-012 / 14003051-016 Chimney Flashing Sealant	Grey Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components % Fibrous	% Non-Fibrous	Asbestos Fibers
ELMCV-013 / 14003051-017 Electric Wire Cover	Brown Fibrous Heterogeneous	35% Glass	65% Other	None Detected

Certification

Signature: Sandra Sobrino
Date: 2/12/2014

Reviewed:
Date: 2/12/2014

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the clientôs sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

SanAir Technologies Laboratory
1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

Asbestos Chain of Custody

SanAir ID Number 14003051

Company: H&P	Project #: 20140072	Collected by: BDJ
Address: 2524 Langhorne Road	Project Name: HHS ACM Survey	Phone #: 434-964-6082
City, St., Zip: Lynchburg	Date Collected: 02/05/14	Fax #:
State of Collection: VA Account#:	P.O. Number: 20140072/3001 WFR	Email: BDJ@handp.com

Bulk

ABB	PLM EPA 600/R-93/116	☑
	Positive Stop ☐	
ABEPA	PLM EPA 400 Point Count	☐
ABB1K	PLM EPA 1000 Point Count	☐
ABBEN	PLM EPA NOB	☐
ABBCH	TEM Chatfield	☐
ABBTM	TEM EPA NOB	☐

Water

ABHE	EPA 100.2	☐

Air

ABA	PCM NIOSH 7400	☐
ABA-2	OSHA w/ TWA*	☐
ABTEM	TEM AHERA	☐
ABATN	TEM NIOSH 7402	☐
ABT2	TEM Level II	☐

New York ELAP

PLM NY	PLM EPA 600/M4-82-020	☐
ABEPA2	NY ELAP 198.1	☐
ABENY	NY ELAP 198.6 PLM NOB	☐
ABBNY	NY ELAP 198.4 TEM NOB	☐

Soil/Vermiculite

ABSE	PLM EPA 600/R-93/116 (Qual.)	☐
ABSP	PLM CARB 435 (LOD <1%)	☐
ABSP1	PLM CARB 435 (LOD 0.25%)	☐
ABSP2	PLM CARB 435 (LOD 0.1%)	☐

Dust

ABWA	TEM Wipe ASTM D-6480	☐
ABDMV	TEM Microvac ASTM D-5755	☐

Matrix	**Other**	
		☐

Turn Around Times				
	3 HR (4 HR TEM) ☐	6 HR (8HR TEM) ☐	12 HR ☐	24 HR ☐
	2 Days ☐	3 Days ■	4 Days ☐	5 Days ☐

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start – Stop	
FLVCT-001	Kitchen floor sheathing Tan		ABB			
FLVCT-002	Kitchen floor tile gray 12x12		ABB			
CLDW-003 A,B,C	Ceiling drywall with skim coat A-Living room, B-Kitchen, C Bed #1		ABB			
WLDW-004 A,B,C	Wall drywall A-Kitchen, B-Bathroom, C-Bedroom #2		ABB			
HTShield-005	Overhead lighting heat shield, kitchen		ABB			
FLVCT-006	Bathroom tile 12x12		ABB			
CPTMastic-007	Yellow mastic at hallway in front of bathroom		ABB			
INTWGLZ-008	Interior window glaze basement window		ABB			
EXTPlastr-009	exterior plaster skim coat -white		ABB			
WLPL-010	Wall skim coat/plaster on stairwell walls to basement		ABB			
RFShngl-011	Roof shingle with underlayment		ABB			
CHFLSH-012	Chimney flashing sealant		ABB			

ELVCV-013 Electric Wire Cover ABB

Relinquished by	Date	Time	Received by	Date	Time
Brock Jones	02/05/14				
				FEB 07 2014	1020 AM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a $10 shipping fee.

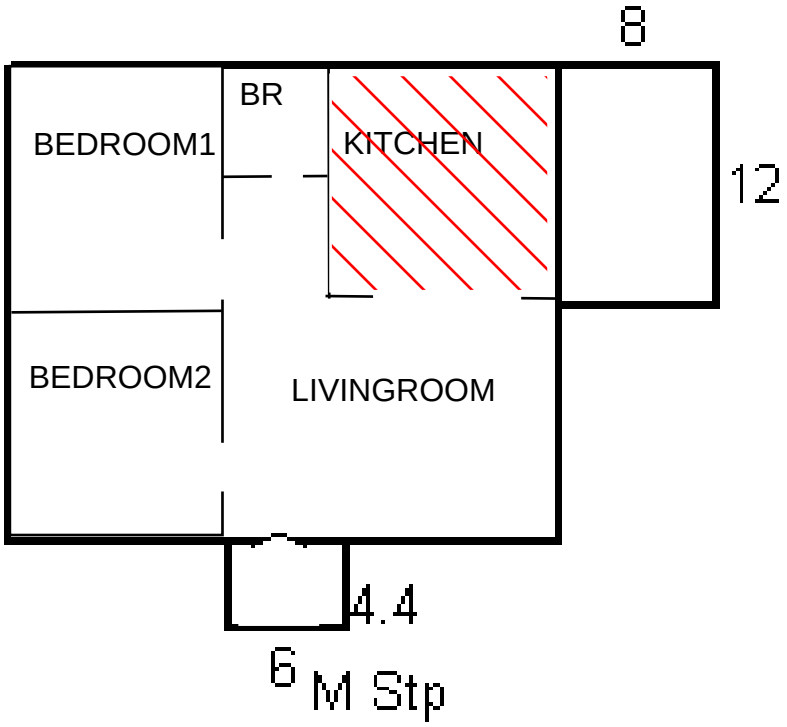
Attachment C

Suspect Asbestos-Containing Material Sample Location Maps

PRE-DEMOLITION
ASBESTOS INSPECTION
3001 WARDS FERRY ROAD
LYNCHBURG, VIRGINIA
H&P PROJECT NO.: 20140072

DRAWING 1- MAIN FLOOR

RED REPRESENTS THE
KITCHEN FLOOR SHEETING
WITH MASTIC



CONNECTED GAS LOAD SUMMARY

TAG	DESCRIPTION	LOCATION	INPUT (CFH)	PRESSURE IN (PSI/WC)	PRESSURE OUT (PSI/WC)	NOTE
aGR-1	PRESSURE REGULATOR	SERVICE ENTRANCE	-	STREET	2 PSI	
aGR-2	PRESSURE REGULATOR	MECHANICAL E36	-	2PSI	8-14"WC	EXTEND REGULATOR VENT PIPE FULL SIZE FROM REGULATOR VENT CONNECTION TO BUILDING EXTERIOR, INSTALL AND TERMINATE VENT ACCORDING TO MANUFACTURERS DOCUMENTATION.
aGR-3	PRESSURE REGULATOR	CULINARY C20	-	2PSI	8-14"WC	EXTEND REGULATOR VENT PIPE FULL SIZE FROM REGULATOR VENT CONNECTION TO BUILDING EXTERIOR, INSTALL AND TERMINATE VENT ACCORDING TO MANUFACTURERS DOCUMENTATION.
aGR-4	PRESSURE REGULATOR	KITCHEN C04		2PSI	8-14"WC	EXTEND REGULATOR VENT PIPE FULL SIZE FROM REGULATOR VENT CONNECTION TO BUILDING EXTERIOR, INSTALL AND TERMINATE VENT ACCORDING TO MANUFACTURERS DOCUMENTATION.
B-1	BOILER	MECHANICAL E36	2500	2PSI	10"WC	REFER TO MECHANICAL DOCUMENTS FOR INFORMATION ON THIS UNIT. GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(3).
B-2	BOILER	MECHANICAL E36	2500	2PSI	10"WC	REFER TO MECHANICAL DOCUMENTS FOR INFORMATION ON THIS UNIT. GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(3).
B-3	BOILER	MECHANICAL E36	2500	2PSI	10"WC	REFER TO MECHANICAL DOCUMENTS FOR INFORMATION ON THIS UNIT. GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(3).
EMG-1	EMERGENCY GENERATOR	REFER TO ELECTRICAL DRAWINGS	3939	14"WC MAX	-	REFER TO ELECTRICAL DOCUMENTS FOR INFORMATION ON THIS UNIT. GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(3).
FUME HOOD	FUME HOOD GAS TURRETS	ROOMS B27 & D51	15			
H19	LAB GAS TURRETS	SCIENCE H19	85			
H22	LAB GAS TURRETS	SCIENCE H22	90			
K04	LAB GAS TURRETS	SCIENCE K04	85			
K06	LAB GAS TURRETS	SCIENCE K06	80			
K28	COMBI - OVEN STEAMER	KITCHEN C04	133	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K28	COMBI - OVEN STEAMER	KITCHEN C04	133	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K29	TILTING KETTLE	KITCHEN C04	140	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K33	RANGE	KITCHEN C04	106	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K34	TILTING SKILLET	KITCHEN C04	200	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K36	CONVECTION OVEN	KITCHEN C04	120	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K36	CONVECTION OVEN	KITCHEN C04	120	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K120	CONVECTION OVEN	CULINARY C20	120	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K123	GRIDDLE	CULINARY C20	40	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
K125	RANGE	CULINARY C20	236	14"WC MAX	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
MAU-1	HVAC - ROOF TOP UNIT	ROOF	400	2PSI	10"WC	REFER TO MECHANICAL DOCUMENTS FOR INFORMATION ON THIS UNIT. GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(3).
MAU-2	HVAC - ROOF TOP UNIT	ROOF	256	2PSI	10"WC	REFER TO MECHANICAL DOCUMENTS FOR INFORMATION ON THIS UNIT. GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(3).
WH-1	DOMESTIC WATER HEATER	MECHANICAL E36	920	10"WC	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
WH-2	DOMESTIC WATER HEATER	MECHANICAL E36	920	10"WC	-	GAS PIPE SIZING IS BASED ON 2012 INTERNATIONAL FUEL GAS CODE TABLE 402.4(1).
xTOTAL			15638			LONGEST RUN PIPE LENGTH = 331' -10"

ADD-4

ACID NEUTRALIZATION TANK SCHEDULE

TAG	MANUFACTURER	MODEL	PIPE SIZE (IN) INLET	PIPE SIZE (IN) OUTLET	VOLUME (GAL)
AT-1	SCHIER PRODUCTS	NT-150	6	6	150

GENERAL NOTE:
1. REFER TO DETAIL ON DRAWING P4.2.
2. TANK SHALL BE WATER TIGHT.
3. MANHOLE FRAME AND COVER SHALL BE HEAVY DUTY. PROVIDE ALL NECESSARY EXTENSIONS.

ADD-4

GREASE INTERCEPTOR SCHEDULE

TAG	MANUFACTURER	MODEL	PIPE SIZE (IN) INLET	PIPE SIZE (IN) OUTLET	VOLUME (GAL)	OPERATING GREASE CAPACITY GAL	OPERATING GREASE CAPACITY POUNDS
GIT-1	SCHIER PRODUCTS	GB-250	4	4	250	147	1,076
GIT-2	SCHIER PRODUCTS	GB-250	4	4	250	147	1,076

GENERAL NOTE:
1. REFER TO DETAIL ON DRAWING P4.1.
2. TANK SHALL BE WATER TIGHT.
3. MANHOLE FRAME AND COVER SHALL BE HEAVY DUTY. PROVIDE ALL NECESSARY EXTENSIONS.

ADD-4

DOMESTIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	LOCATION	VOLUME (GAL)	RECOVERY RATE (GPH)	FUEL DATA FUEL SOURCE	FUEL DATA MAX GAS PRESSURE (in-wg)	FUEL DATA MIN GAS PRESSURE (in-wg)	FUEL DATA INPUT HEAT (BTUh)	FUEL DATA OUTPUT HEAT (BTUh)	AIR INTAKE SIZE (IN)	FLUE OUTLET SIZE (IN)	ELECTRICAL DATA AMPS	ELECTRICAL DATA WATTAGE	ELECTRICAL DATA VOLTAGE	ELECTRICAL DATA PHASE	ELECTRICAL DATA HZ	TEMP SETTING (°F)	INSTALLED (LBS)
WH-1	A.O.SMITH	XWH-1000	MECHANICL E36	1000	1065	NATURAL GAS	14.00	4.00	920,000	855,600	6"	6"	30	4988	120	3	60	140	800
WH-2	A.O.SMITH	XWH-1000	MECHANICL E36	1000	1065	NATURAL GAS	14.00	4.00	920,000	855,600	6"	6"	30	4988	120	3	60	140	800

GENERAL NOTES:
1. REFER TO PLUMBING SHEET P4.1.

ADD-4

COMPRESSION TANK SCHEDULE

TAG	MANUFACTURER	MODEL	LOCATION	SYSTEM	TANK TYPE	MINIMUM TANK VOLUME (GALLONS)	MINIMUM ACCEPTANCE VOLUME (GALLONS)	AIR PRE-CHARGE (PSIG)	ASME-CODE CONSTRUCTION (YES/NO)	SYSTEM CONNECTION (IN)	OPERATING WEIGHT (LBS)
EXT-1	AMTROL	ST-30VC	MECHANICL E36	DHW	REPLACEABLE BLADDER	12	5	40	Yes	3/4"	23

DOMESTIC HOT WATER STORAGE TANK SCHEDULE

TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	LOCATION	TANK CONSTRUCTION	STORAGE CAPACITY (GAL)	TEMP SETTING (F)	SHIPPING WEIGHT (lbs)	WEIGHT (LBS)
ST-1	A. O. SMITH	TJV-350	MECHANICL E36	NON-ASME	350	140	1080	3996
ST-2	A. O. SMITH	TJV-350	MECHANICL E36	NON-ASME	350	140	1080	3996

DRAIN SCHEDULE

TAG	MANUFACTURER	MODEL	STRAINER/GRATE	NOTES
FD-1	JOSAM	30093-A	6"	
FD-2	JOSAM	30094-A	6"	
FS-1	JOSAM	49344A-VP-33-35-X	12" x 12"	HALF GRATE
FS-2	JOSAM	49343A-VP-33-35-X	12" x 12"	FULL GRATE
RD-1	JOSAM	21500-3022-VP-X	13"	
SRD-1	JOSAM	21500-3-16-22-VP-X	13"	
TD-1	JOSAM	76004-7	24" x 6"	
TD-2	JOSAM	76004-7	39" x 6"	
TD-3	JOSAM	76004-7	69" x 6"	

TRAP PRIMER SCHEDULE

TAG	MANUFACTURER	MODEL	ACTIVATION METHOD
TPV-1	PRECISION PLUMBING PRODUCTS	TM-186-1520A-RF-STSTL EXP-DT-IT	ELECTRONIC

GENERAL NOTE:
1. REFER TO DETAIL ON DRAWING FOR QTY OF TRAP PRIMED.
2. TRAP PRIMER VALVE SHALL CONFORM TO ASSE 1018 OR ASSE 1044.

PUMP SCHEDULE

TAG	MANUFACTURER	MODEL	LOCATION	SYSTEM	PUMP TYPE	OPERATING DATA FLOW (GPM)	OPERATING DATA PRESSURE (FT)	ELECTRICAL DATA V	ELECTRICAL DATA PH	ELECTRICAL DATA HZ	SUCTION SIZE (IN)	DISCHARGE SIZE (IN)	IMPELLER SIZE (IN)	MOTOR (RPM)	MOTOR (HP)	WEIGHT (LBS)
CP-1	TACO	L1121	MECHANICL E36	DOMESTIC HOT WATER RETURN	IN-LINE	22	9	120	1	60	3/4"	3/4"	0"	3250	0.125	14
CP-2	TACO	L0710	MECHANICL E36	DOMESTIC HOT WATER RETURN	IN-LINE	8	6	120	1	60	3/4"	3/4"	0"	3250	0.040	14
CP-3	TACO	L0710	STORAGE FH09	DOMESTIC HOT WATER RETURN	IN-LINE	8	6	120	1	60	3/4"	3/4"	0"	3250	0.040	14
SP-1	ZOELLER	M137	ELEVATOR 01	SANITARY WASTE	SUMP	5	25	120	1	60	1 1/2"	2"	0"	0	.5	0

ADD-4

MIXING VALVE SCHEDULE

TAG	MANUFACTURER	MODEL	LOCATION	HW (IN)	CW (IN)	MIXED OUTLET (IN)	PRESSURE DROP (PSI)	FLOW RATE (GPM)	TEMPERATURE SETTING (°F)	NOTES
TMV-1	BRADLEY CORPORATION	NRS-13	MECHANICAL E36	1 1/4"	1 1/4"	1 1/2"	15.00	72	105	2,3
TMV-2	LEONARD	TM600-RF-STSTL-EXP-IT	SCIENCE LABS	3/4"	3/4"	1"	15.00	29	85	1,2
TMV-3	LEONARD	MODEL 370-LF	REFER TO DRAWINGS	1/2"	1/2"	1/2"	10.00	6	105	2,3,4
TMV-4	LEONARD	TM420A	STORAGE FH09	3/4"	3/4"	1 1/4"	15.00	22	105	2,3,4

NOTES:
1. PROVIDE WITH STAINLESS STEEL CABINET FOR EXPOSED MOUNTING, AND INLET THERMOMETERS. MOUNT ABOVE EMERGENCY FIXTURE.
2. REFER TO MANUFACTURES DOCUMENTATION AND PIPING DIAGRAMS FOR INSTALLATION.
3. MIXING VALVE DEVICES SHALL MEET ASSE 1070
4. PROVIDE WITH STAINLESS STEEL CABINET FOR EXPOSED MOUNTING.

ADD-4

ELECTRIC WATER HEATER SCHEDULE

TAG	MANUFACTURER	MODEL	LOCATION	STORAGE CAPACITY (GAL)	RECOVERY AT 100 °F RISE	ELECTRICAL DATA ELEMENTS NUMBER	ELECTRICAL DATA ELEMENTS KW (EA)	ELECTRICAL DATA V	ELECTRICAL DATA PH	ELECTRICAL DATA HZ	SHIPPING WEIGHT (LBS)	TEMPERATURE SETTING (°F)
EWH-1	A.O.SMITH	DEL-30	STORAGE FH08	30	16	2	4.0	240	1	60	100	140

GENERAL NOTE:
1. ROUTE T&P RELIEF VALVE DISCHARGE FULL SIZE TROUGH AIR GAP TO NEAREST FLOOR DRAIN OR AS INDICATED.
2. PROVIDE THERMOMETERS, PRESSURE GAUGES, AND VALVES ON INLET AND OUTLET.

ADD-4

BACKFLOW PREVENTER SCHEDULE

TAG	MANUFACTURER	MODEL	LOCATION	SYSTEM	SIZE (IN)	DESIGN FLOW RATE (GPM)	PRESSURE DROP (PSI)
BFP-2	WATTS	LF919-QT	MECHANICAL E36	MECHANICAL MAKE-UP	1	20.0	15.0

GENERAL NOTE:
1. PIPE REDUCED PRESSURE ZONE DISCHARGE WASTE THRU AIR GAP TO NEAREST DRAIN.
2. PROVIDE FOR MECHANICAL MAKEUP. COORDINATE WITH CONTRACTOR.

ADD-4

PLUMBING FIXTURE ROUGHING-IN SCHEDULE

TAG	FIXTURE	MOUNTING HEIGHT	PIPE SIZE HOT WATER	PIPE SIZE COLD WATER	PIPE SIZE SOIL/ WASTE	PIPE SIZE MINIMUM VENT
P-1A	FLOOR MTD WATER CLOSET (ACCESSIBLE)	TOP OF SEAT 17-19"		1"	4"	2"
P-1B	FLOOR MTD WATER CLOSET	TOP OF SEAT 15"		1"	4"	2"
P-1C	FLOOR MTD WATER CLOSET	TOP OF SEAT 15"		1"	4"	2"
P-2A	URINAL (ACCESSIBLE)	RIM AT 17" MAX		3/4"	2"	2"
P-2B	URINAL	RIM AT 24"		3/4"	2"	2"
P-3A	WALL-HUNG LAVATORY (ACCESSIBLE)	RIM AT 33"	1/2"	1/2"	1 1/2"	
P-3B	WALL-HUNG LAVATORY	RIM AT 33"	1/2"	1/2"	1 1/2"	
P-3C	KITCHEN HAND SINK (ACCESSIBLE)	RIM AT 33"	1/2"	1/2"	1 1/2"	
P-4A	SINK - SINGLE BASIN (ACCESSIBLE)	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	2"	2"
P-4B	ART SINK - SINGLE BASIN (ACCESSIBLE)	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	2"	2"
P-4C	ART SINK - SINGLE BASIN	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	2"	2"
P-4D	SINK - UTILITY	RIM AT 36"	1/2"	1/2"	2"	1 1/2"
P-4E	SINK - TRIPLE BOWL (CONSESSIONS)	RIM AT 36"	1/2"	1/2"	2"	1 1/2"
P-4F	LAB SINK (ACCESSIBLE)	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	2"	1 1/2"
P-4G	LAB SINK	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	2"	1 1/2"
P-4H	SHAMPOO BOWL	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	1 1/2"	1 1/2"
P-4I	SINK (ROUGHIN ONLY)	RIM AT 12"	1/2"	1/2"	2"	1 1/2"
P-4J	DOUBLE BOWL SINK (ACCESSIBLE)	COUNTER TOP, REFER TO ARCH DWGS	1/2"	1/2"	2"	1 1/2"
P-5A	BI-LEVEL WATER COOLER (ACCESSIBLE)	TOP BUBBLER AT 39", LOWER AT 34"		1/2"	1 1/2"	1 1/2"
P-5B	BOTTLE FILL STATION	FILLER AT 38-7/8"		1/2"	1 1/2"	1 1/2"
P-5C	WATER COOLER (ACCESSIBLE)	TOP BUBBLER AT 34"		1/2"	1 1/2"	1 1/2"
P-6A	SERVICE SINK	RIM AT 12"	1/2"	1/2"	3"	2"
P-6B	SERVICE SINK	RIM AT 12"	1/2"	1/2"	3"	2"
P-6C	LAUNDRY TUB	RIM AT 33-1/2"	1/2"	1/2"	2"	1 1/2"
P-7A	SHOWER (ACCESSIBLE)	CONTROLS AT 42", SHOWER HEAD AT 72"	1/2"	1/2"	2"	2"
P-7B	SHOWER	CONTROLS AT 42", SHOWER HEAD AT 78"	1/2"	1/2"	2"	2"
P-8A	WALL HYDRANT	CENTER AT 18"		3/4"		
P-8B	HOSE BIBB	CENTER AT 18"		3/4"		
P-9A	EMERGENCY SAFETY STATION	EYE WASH HEADS AT 36", SHOWER HEAD AT 84"	1"	1"	3"	1 1/2"
P-10	WALL BOX - ICE MAKER	CENTER AT 42"		1/2"		
P-11	WALL BOX - WASHER	CENTER AT 42"	1/2"	1/2"	2"	1 1/2"
P-12	WHIRLPOOL MIXING VALVE	CONTROLS AT 42"	1/2"	1/2"	0"	0"

ADD-4

GENERAL NOTE:
1. MINIMUM VENT SIZE SHALL BE 1-1/2" UNLESS OTHERWISE INDICATED.
2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALL OR APPROACH SIDE.
3. INSTALL FIXTURES PER ADA, STATE AND LOCAL CODES.

ADD-4

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COMMONWEALTH OF VIRGINIA
MICHAEL B. HURD
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PROFESSIONAL ENGINEER
3/5/14

HERITAGE HIGH SCHOOL

SDE NO.: 115-13-00-100
LYNCHBURG CITY SCHOOLS
3020 WARDS FERRY ROAD, LYNCHBURG, VA 24502

PROJECT NO:	DATE:
520910	FEBRUARY 5, 2014

REVISIONS

DATE	DESCRIPTION
3/5/2014	ADD-4

SCHEDULES

P0.2

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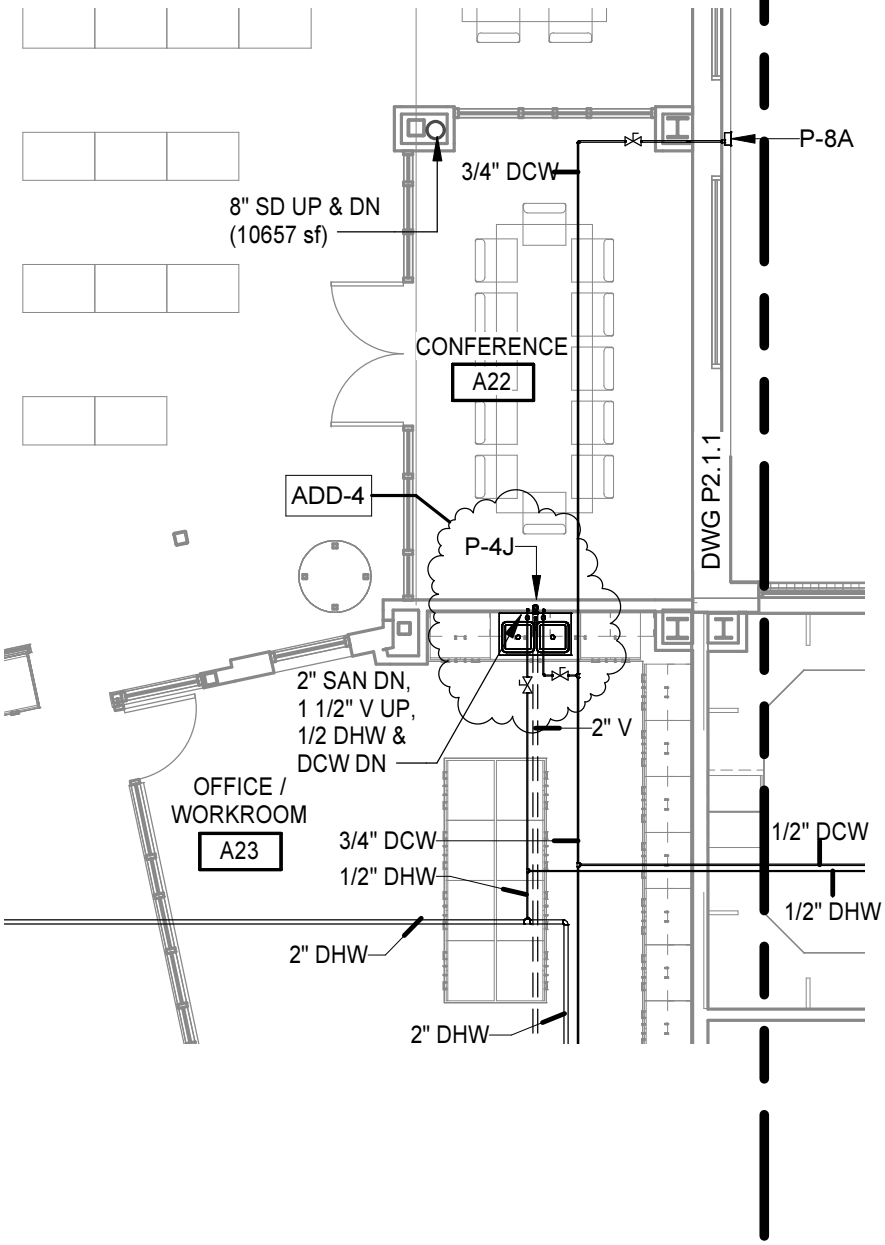

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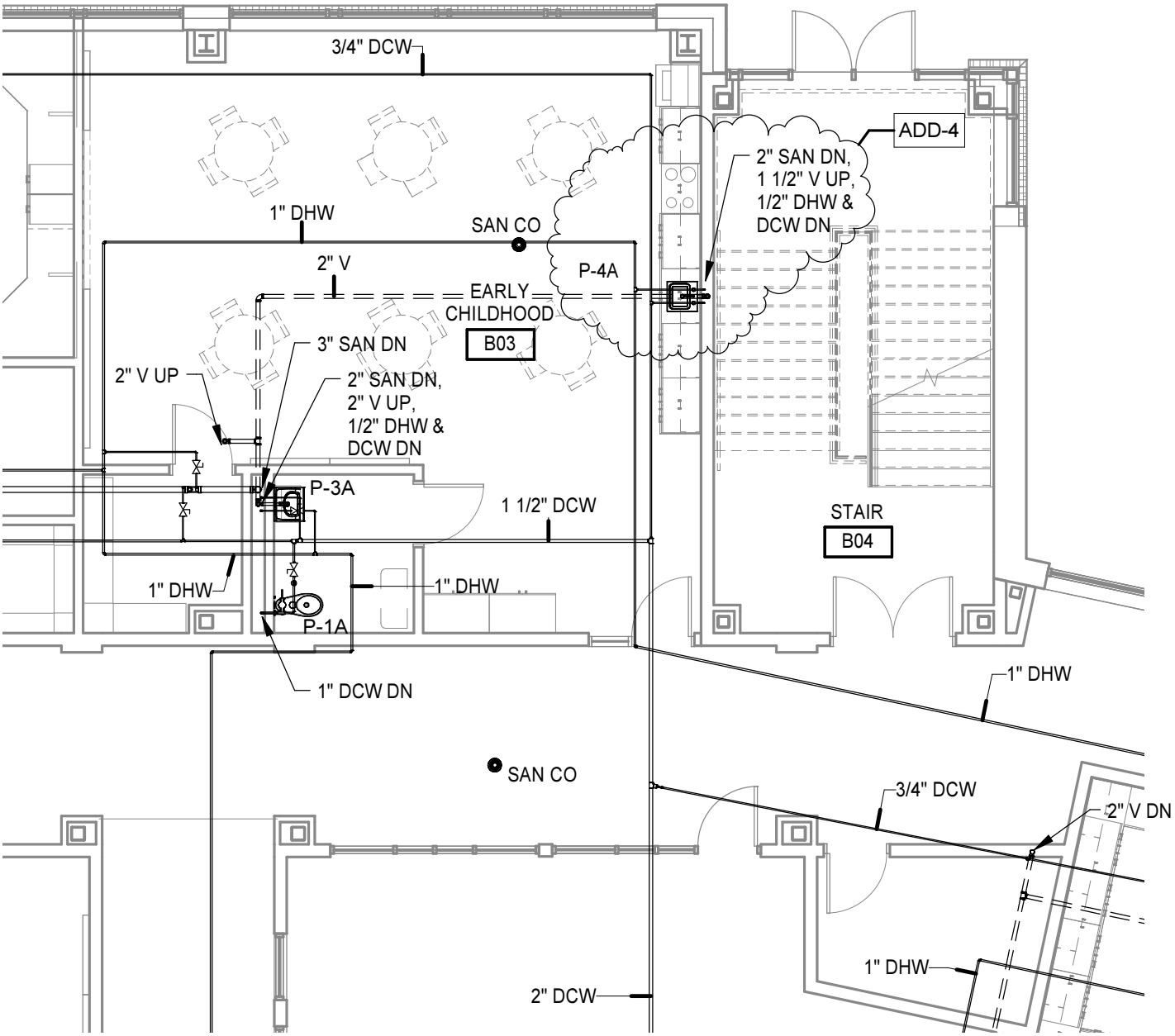

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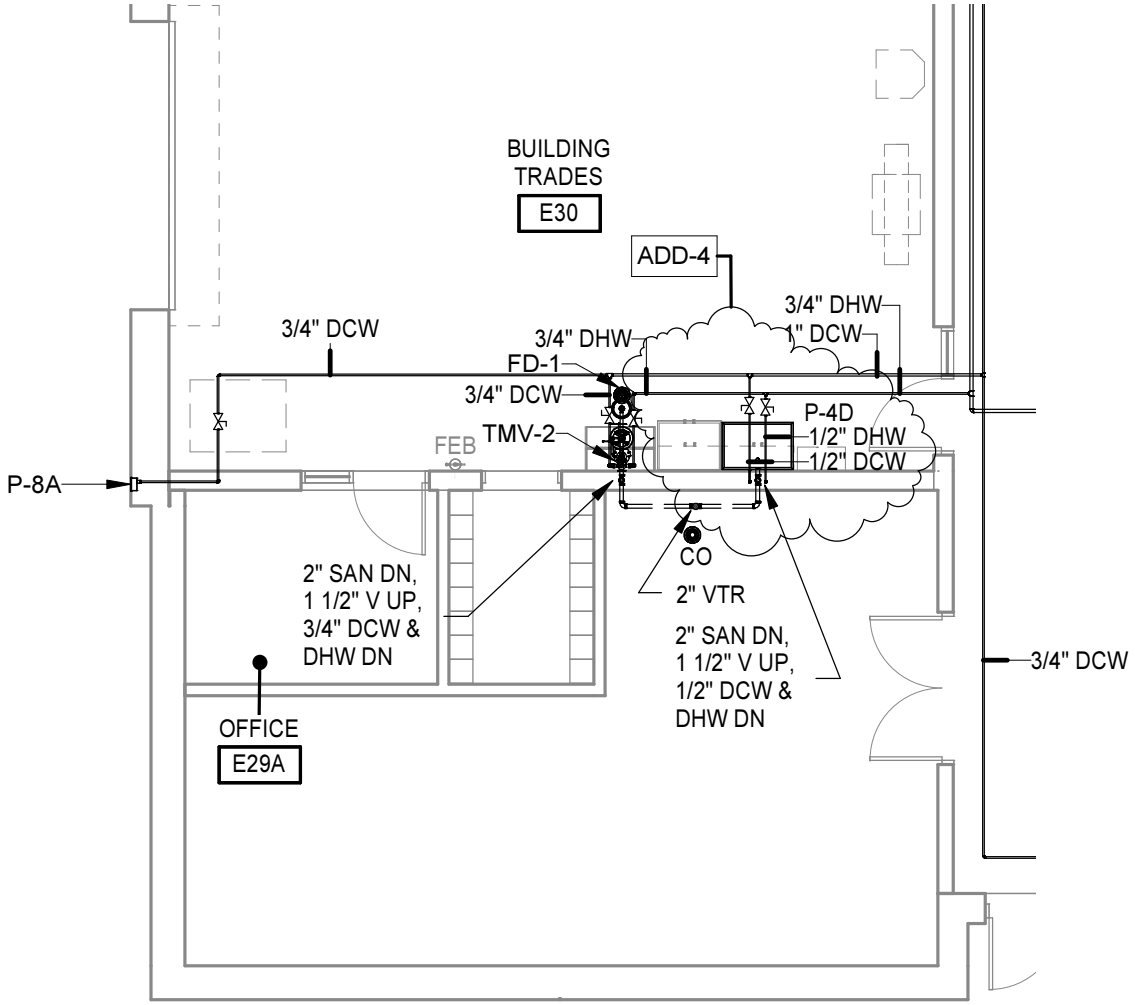

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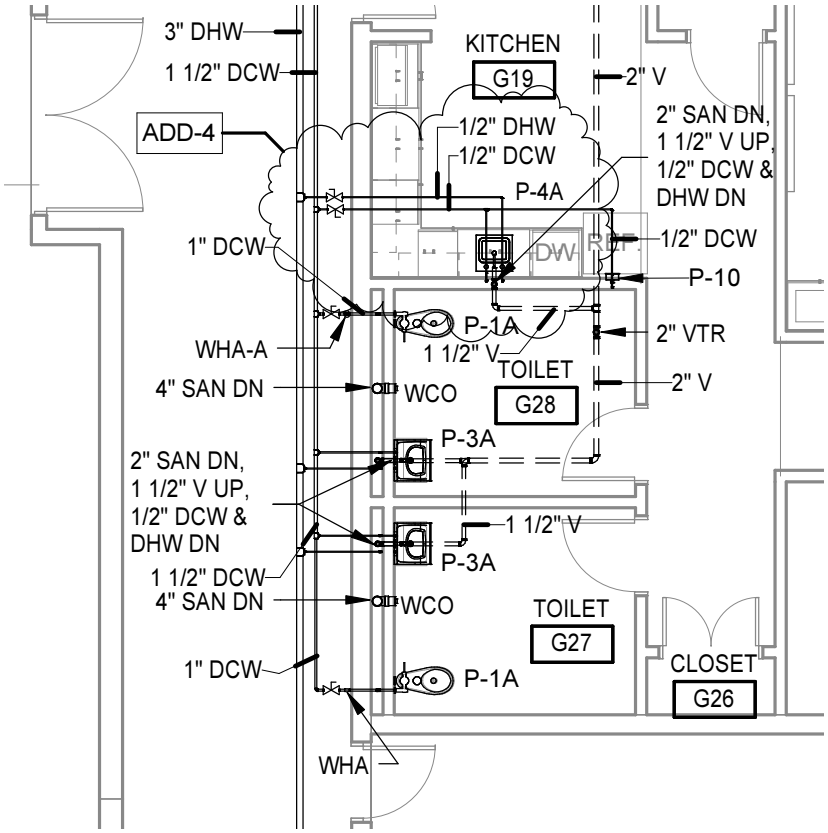

DRAWING TITLE:	CONTRACT DWG NO.:	PROJECT:
REVISIONS TO PLUMBING FIXTURE P-4A IN KITCHEN G19	**P2.1.7**	**HERITAGE HIGH SCHOOL** **3020 WARDS FERRY ROAD, LYNCHBURG, VA 24502**

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